

Amendments to the Claims

Please cancel claims 15-34 without prejudice. Please add new claims 35-54 as shown below in the List of Claims.

List of Claims:

1-34. Cancelled.

35. (New) A mutated hydantoin racemase, comprising the amino acid sequence of SEQ ID NO:2 but wherein the the amino acids at positions 78-83 in SEQ ID NO:2 are: FX₁DX₂GL (SEQ ID NO:1), wherein X₂ represents P or T and X₁ is at position 79 and is an amino acid selected from the group consisting of: A, R, N, D, C, Q, E, H, I, L, K, M, F, P, S, T, Y and V.

36. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is A.

37. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is R.

38. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is N.

39. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is D.

40. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is C.

41. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is Q.

42. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is E.
43. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is H.
44. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is I.
45. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is K.
46. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is L.
47. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is M.
48. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is F.
49. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is P.
50. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is S.
51. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is T.
52. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is Y.

53. (New) The mutated hydantoin racemase of claim 35, wherein the amino acid at position 79 is V.
54. (Withdrawn-new) A method of making enantiomerically enriched N-carbamoyl-amino acids or amino acids comprising reacting hydantoin molecules with a hydantoinase and with the mutated hydantoin racemase of claim 35.